

California Regional Water Quality Control Board  
North Coast Region

Monitoring and Reporting Program No. R1-2003-0051  
(Revised December 18, 2003)  
for

Southern Humboldt Unified School District  
Whitethorn Elementary School  
16851 Briceland-Thorn Road  
Whitethorn, CA

Humboldt County

MONITORING

1. The presence of floating product shall be evaluated in each monitoring well quarterly. If detected, the thickness shall be measured to at least 0.01 foot increments.
2. The depth to groundwater in all monitoring wells shall be determined to at least 0.01 foot increments quarterly. The results of each quarter's elevation shall be reported in tabular form indicating the surveyed elevations of each well reference point, depth to groundwater from reference point, and the actual groundwater elevation. The data generated from the elevation readings must be referenced to mean sea level.
3. Monitoring wells MW-1, MW-2, MW-3, MW-5, MW-7 MW-8, MW-10, MW-11, MW-22 shall be sampled quarterly. The analyses shall be performed at a laboratory certified by the Department of Health Services. All groundwater samples shall be analyzed for:
  - Total petroleum hydrocarbons as diesel
  - BTEX
  - Parameters measured in the field shall include temperature, dissolved oxygen, pH, oxidation/reduction potential and conductivity.
4. All remaining wells and school water supply shall be sampled annually (Third Quarter of each year) as described for wells on the quarterly monitoring program. During quarterly monitoring, wells on annual monitoring program shall be measured for groundwater elevation and dissolved oxygen.

REPORTING

Reports shall include:

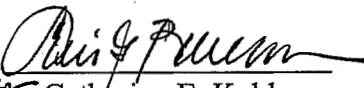
- groundwater elevation contour maps;
- direction of the groundwater gradient;
- locations of wells monitored;
- constituents and analytical results;
- chain of custody documents showing the: time and date of the sample collected, name of the person collecting the samples;
- signed laboratory sheets including quality control data and explanations of analytical anomalies, if any. These supporting documents may be included as appendices to the report;
- interpretations of the data;
- and a tabular summary of past analytical results.

Quarterly monitoring reports shall be submitted to this office in accordance with the following schedule:

<u>Reporting Period</u>	<u>Due Date</u>
January, February, March	April 30
April, May, June	July 30
July, August, September	October 30
October, November, December	January 30

Monitoring data shall also be submitted electronically to the State Water Resources Control Board's Geographic Environmental Information Management System database (GeoTracker) as required by Title 23, Division 3, Chapter 16, Article 12 of the California Code of Regulations (i.e., AB2886 electronic reporting requirements).

Ordered by

  
Catherine E. Kuhlman  
Executive Officer

December 18, 2003

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3. All monitoring wells shall be sampled quarterly. The analyses shall be performed at a certified laboratory for total petroleum hydrocarbons as diesel, benzene, toluene, ethylbenzene and xylene. Parameters measured in the field shall include temperature, dissolved oxygen, dissolved carbon dioxide, pH, oxidation/reduction potential and conductivity.

REPORTING

Reports shall include groundwater elevation contour maps, direction of the groundwater gradient and locations of wells monitored, signed laboratory sheets, interpretations of the data, and a tabular summary of past analytical results. Quarterly monitoring reports, including quarterly gradient information and quarterly sampling data, shall be submitted to this office in accordance with the following schedule:

Reporting Period

January, February, March

April, May, June

July, August, September

October, November, December

Due Date


April 30

July 30

October 30

January 30

Ordered by



Susan A. Warner  
Executive Officer

March 28, 2003